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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 16, No. 2

WEEKLY REPORT

Week Ending January 14, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE • PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

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EPIDEMIOLOGIC NOTES AND REPORTS

SALMONELLOSIS – Georgia

A large outbreak of salmonella gastroenteritis has been traced to a New Year's Eve party at which a buffet dinner was served. From an incomplete list of approximately 540 guests, 116 persons were interviewed by telephone for clinical and food histories. Of these, 51 (44 percent) were ill with watery diarrhea, cramps, vomiting, headache, and fever of 101°–103°; three persons were briefly hospitalized. The mean incubation period was 22½ hours and the illness lasted from 2 to 4 days. *Salmonella st. paul* has been recovered from stool specimens from five of the patients.

Food histories clearly incriminated a turkey salad made from commercially prepared, precooked frozen turkey rolls and salad ingredients. The same salad ingredients were used in other salads which were not implicated, and cold sliced turkey from the same lot as the turkey rolls was served separately but not implicated. None of the

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	2nd WEEK ENDED		MEDIAN	CUMULATIVE, FIRST 2 WEEKS		
	JANUARY 14, 1967	JANUARY 15, 1966	1962 - 1966	1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis	26	41	30	47	71	49
Brucellosis	2	4	4	6	4	7
Diphtheria	2	2	6	2	3	9
Encephalitis, primary:						
Arthropod-borne & unspecified	21	24	- - -	37	43	- - -
Encephalitis, post-infectious	8	16	- - -	13	25	- - -
Hepatitis, serum	42	22	869	79	32	1,494
Hepatitis, infectious	718	695		1,270	1,360	
Malaria	19	3	—	40	8	2
Measles (rubeola)	1,345	5,544	6,746	2,417	9,428	11,949
Meningococcal infections, total	76	94	56	118	158	102
Civilian	68	87	- - -	109	146	- - -
Military	8	7	- - -	9	12	- - -
Poliomyelitis, total	—	—	1	—	1	1
Paralytic	—	—	—	—	—	—
Rubella (German measles)	503	930	- - -	752	1,326	- - -
Streptococcal sore throat & scarlet fever	10,211	9,441	8,734	18,525	16,835	15,544
Tetanus	2	—	5	3	3	8
Tularemia	3	4	7	5	8	15
Typhoid fever	2	5	5	4	8	7
Typhus, tick-borne (Rky. Mt. spotted fever)	—	2	—	3	7	1
Rabies in animals	66	70	70	134	142	119

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	—	Rabies in man	—
Botulism	—	Rubella, Congenital Syndrome	—
Leptospirosis: Fla.-1, Hawaii-1	3	Trichinosis: Mass.-1, Pa.-1	4
Plague	—	Typhus, murine	—
Psittacosis: Kans.-1, Mass.-1	4		

EPIDEMIOLOGIC NOTES AND REPORTS
SALMONELLOSIS – Georgia
(Continued from front page)

served food was available for culture. The kitchen employees denied symptoms of gastroenteritis, but 6 of 14 stool cultures obtained from them grew *Salmonella st. paul.* All six employees with positive cultures had a hand in preparing the turkey salad and admitted that they had eaten a portion during preparation.

Cultures from the environment and from food ingredients were negative for salmonellae. Several studies are in progress, including a more extensive sampling of the turkey rolls from the same commercial shipment.

(Reported by Dr. John McCroan, Director, Section of Biologic Studies, and Mr. Tom McKinley, Assistant State Epidemiologist, Georgia Department of Public Health; and two EIS Officers.)

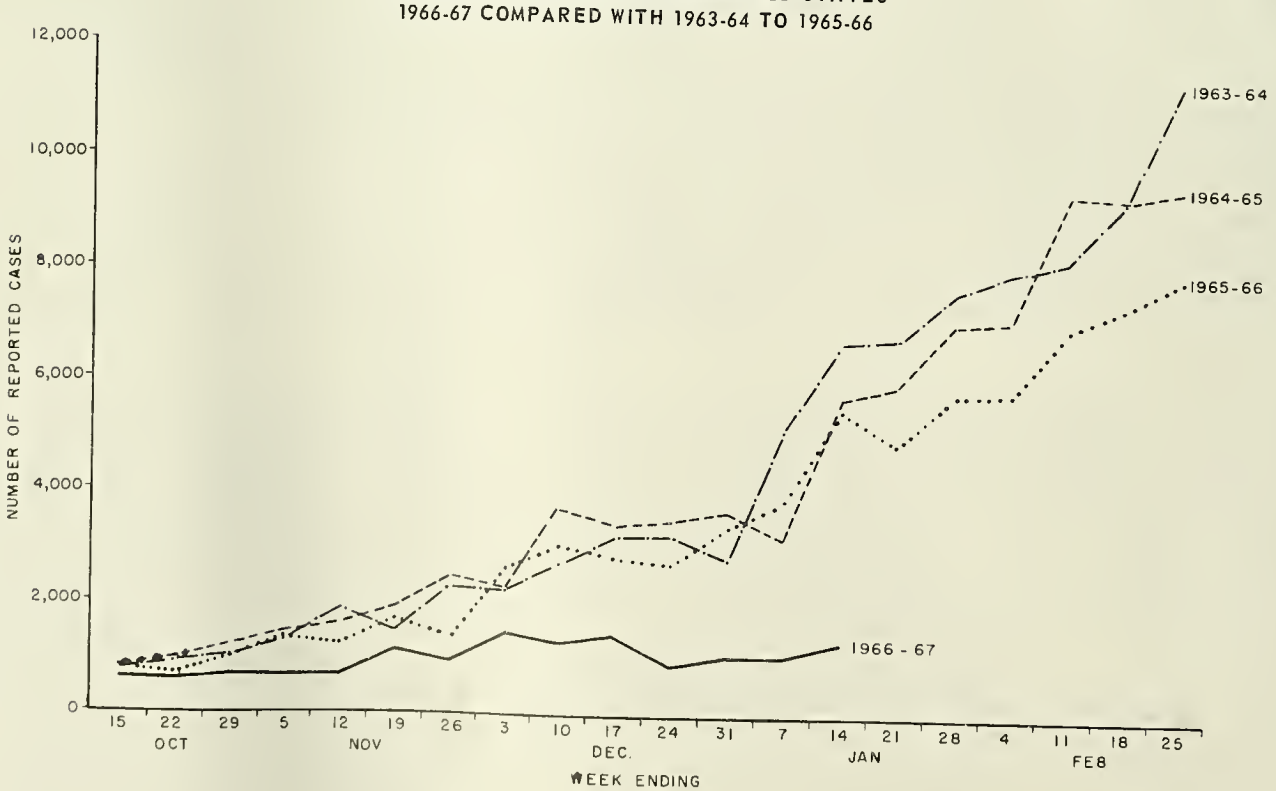
CURRENT TRENDS
MEASLES – 1967

The low level of reported measles in the 1966-67 epidemiologic year continued during the week ending January 14 when 1,345 cases were recorded. This total is 273 cases higher than the total of 1,072 for the week ending January 7, but is 4,199 cases less than the total of 5,544 reported for the comparable week in 1966.

Thirty percent of the current week's total number of cases were reported from Texas (298 cases) and Washington (110 cases). Seven additional states reported more than 50 cases. Nine states reported less than five cases, and no cases were reported from eight states.

(Reported by the Childhood Viral Diseases Section, Epidemiology Program, NCDC.)

Figure 1
REPORTED MEASLES IN THE UNITED STATES
1966-67 COMPARED WITH 1963-64 TO 1965-66

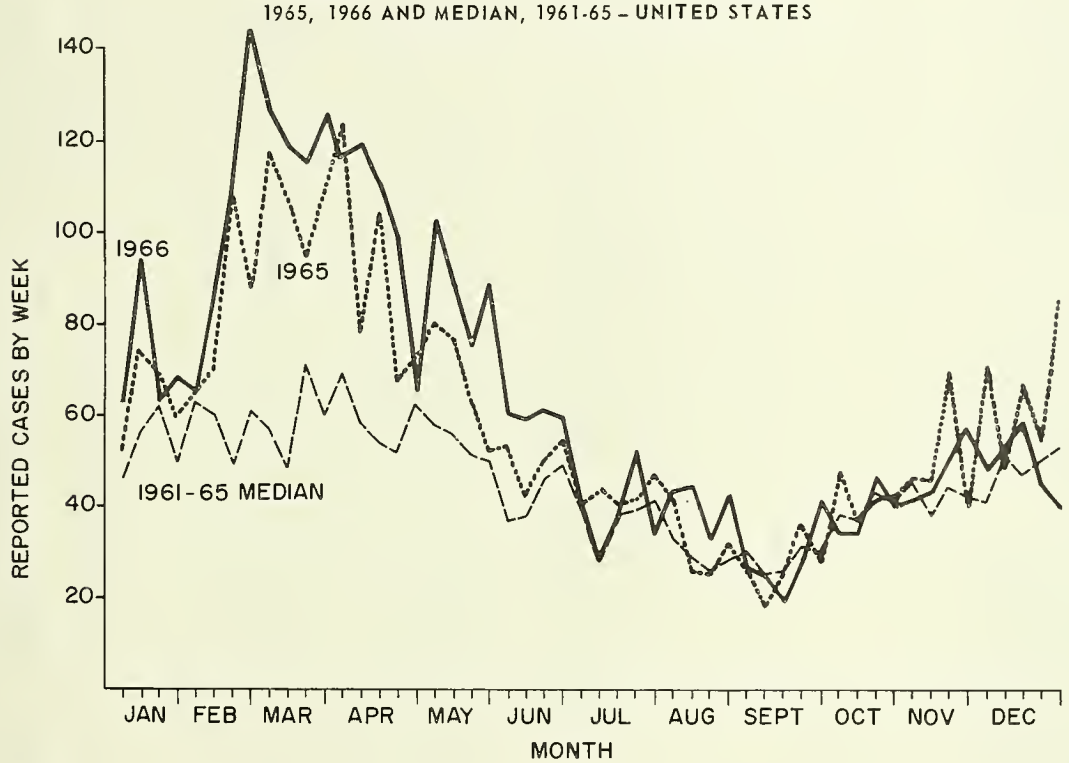


ANNUAL SURVEILLANCE SUMMARY
MENINGOCOCCAL INFECTIONS – 1966

The total of 3,373 meningococcal infections reported to the National Communicable Disease Center during 1966 represents an increase of 10.6 percent over the 1965 total of 3,051 cases. Most of this increase occurred from March through June 1966; since July the weekly totals have closely followed those of the previous years (Figure 2).

Of the 1966 total, 331 cases (9.8 percent) were reported from military installations; 80 percent of these cases were from California, Louisiana, New Jersey, Kentucky, Texas, South Carolina, and Missouri. In contrast, only 7 percent of total cases in 1965 were reported from the military.

Figure 2
MENINGOCOCCAL INFECTIONS BY WEEK OF REPORT
1965, 1966 AND MEDIAN, 1961-65 – UNITED STATES



The 1966 attack rate for meningococcal infections in the United States was 1.7 per 100,000. As shown in Figure 3, this represents a continuation of the mild upward trend in attack rates which has been evident since 1962.

Figure 3
MENINGOCOCCAL INFECTIONS-ANNUAL RATE
PER 100,000 – UNITED STATES, 1920-65

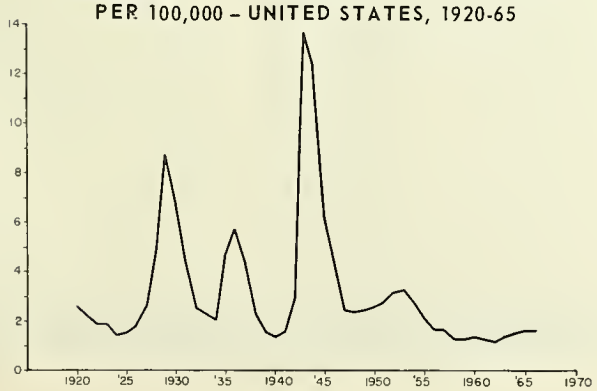


Table 1 presents the analysis by serogroup of 776 strains of *Neisseria meningitidis* which were isolated mainly from blood or cerebrospinal fluid in 1966. As anticipated on the basis of experience in 1964 and 1965, the predominant serogroup was again group B, comprising approximately 70 percent of the total number of strains.

Table 1
Strains of *Neisseria meningitidis*
Submitted to NCDC – 1966

Serogroup	Number	Percent
A	2	0.25
B	548	70.6
C	98	12.6
D	2	0.25
Not typed & "rough" strains	126	16.3
Total	776	100.0

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
JANUARY 14, 1967 AND JANUARY 15, 1966 (2nd WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			
					Primary including unsp. cases		Post-Infectious	Serum		Infectious	
	1967	1966	1967	1967	1967	1966	1967	1967	1966	1967	1966
UNITED STATES...	26	41	2	2	21	24	8	42	22	718	695
NEW ENGLAND.....	-	1	1	-	3	1	-	-	-	41	36
Maine.....	-	-	-	-	1	-	-	-	-	5	17
New Hampshire.....	-	-	-	-	-	-	-	-	-	1	1
Vermont.....	-	1	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	1	-	-	-	-	16	10
Rhode Island.....	-	-	-	-	1	1	-	-	-	6	-
Connecticut.....	-	-	1	-	-	-	-	-	-	13	8
MIDDLE ATLANTIC.....	3	6	-	-	5	9	-	16	13	83	137
New York City.....	2	1	-	-	2	2	-	11	4	27	11
New York, up-State.	-	2	-	-	2	-	-	-	1	17	63
New Jersey.....	1	1	-	-	1	3	-	2	7	17	25
Pennsylvania.....	-	2	-	-	-	4	-	3	1	22	38
EAST NORTH CENTRAL...	-	1	-	-	5	3	2	2	-	118	117
Ohio.....	-	-	-	-	5	2	-	-	-	31	25
Indiana.....	-	-	-	-	-	-	-	-	-	1	8
Illinois.....	-	-	-	-	-	1	-	-	-	16	28
Michigan.....	-	1	-	-	-	-	2	2	-	62	47
Wisconsin.....	-	-	-	-	-	-	-	-	-	8	9
WEST NORTH CENTRAL...	-	-	-	-	1	-	-	1	-	52	18
Minnesota.....	-	-	-	-	-	-	-	1	-	2	3
Iowa.....	-	-	-	-	-	-	-	-	-	10	5
Missouri.....	-	-	-	-	1	-	-	-	-	28	5
North Dakota.....	-	-	-	-	-	-	-	-	-	2	1
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	3	-
Kansas.....	-	-	-	-	-	-	-	-	-	7	4
SOUTH ATLANTIC.....	3	3	1	-	1	5	-	2	2	81	56
Delaware.....	-	1	-	-	-	-	-	-	-	2	3
Maryland.....	1	-	-	-	1	-	-	1	-	21	10
Dist. of Columbia..	-	1	-	-	-	-	-	-	-	1	-
Virginia.....	-	-	1	-	-	2	-	-	-	22	12
West Virginia.....	-	-	-	-	-	-	-	-	-	13	4
North Carolina.....	-	-	-	-	-	2	-	1	1	2	14
South Carolina.....	-	-	-	-	-	-	-	-	-	1	2
Georgia.....	-	-	-	-	-	-	-	-	-	14	-
Florida.....	2	1	-	-	-	1	-	-	1	5	11
EAST SOUTH CENTRAL...	1	11	-	-	1	-	1	-	1	63	67
Kentucky.....	-	10	-	-	-	-	-	-	-	39	23
Tennessee.....	1	1	-	-	1	-	1	-	-	14	32
Alabama.....	-	-	-	-	-	-	-	-	1	3	3
Mississippi.....	-	-	-	-	-	-	-	-	-	7	9
WEST SOUTH CENTRAL...	1	4	-	2	1	1	1	2	-	58	54
Arkansas.....	-	-	-	-	1	-	-	-	-	5	6
Louisiana.....	-	-	-	-	-	-	-	-	-	7	8
Oklahoma.....	-	-	-	-	-	1	-	-	-	2	-
Texas.....	1	4	-	2	-	-	1	2	-	44	40
MOUNTAIN.....	-	2	-	-	2	1	-	-	-	46	53
Montana.....	-	-	-	-	-	-	-	-	-	5	-
Idaho.....	-	-	-	-	-	-	-	-	-	8	2
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	1	-	-	-	1	3
New Mexico.....	-	-	-	-	2	-	-	-	-	11	15
Arizona.....	-	2	-	-	-	-	-	-	-	16	25
Utah.....	-	-	-	-	-	-	-	-	-	5	4
Nevada.....	-	-	-	-	-	-	-	-	-	-	4
PACIFIC.....	18	13	-	-	2	4	4	19	6	176	157
Washington.....	1	-	-	-	-	-	-	-	-	19	9
Oregon.....	-	-	-	-	-	-	-	-	-	39	19
California.....	16	13	-	-	2	1	4	19	6	116	122
Alaska.....	-	-	-	-	-	-	-	-	-	-	6
Hawaii.....	1	-	-	-	-	3	-	-	-	2	1
Puerto Rico	-	-	-	-	-	-	-	-	-	-	4

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 14, 1967 AND JANUARY 15, 1966 (2nd WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA
			Cumulative			Cumulative		Total	Paralytic		
	1967	1967	1967	1966	1967	1967	1966	1967	1967	Cum. 1967	1967
UNITED STATES...	19	1,345	2,417	9,428	76	118	158	-	-	-	503
NEW ENGLAND.....	3	16	24	122	4	4	12	-	-	-	79
Maine.....	1	2	4	16	1	1	-	-	-	-	17
New Hampshire.....	-	-	-	3	-	-	3	-	-	-	-
Vermont.....	-	-	1	47	-	-	1	-	-	-	-
Massachusetts.....	2	11	16	28	2	2	4	-	-	-	25
Rhode Island.....	-	2	2	9	-	-	1	-	-	-	5
Connecticut.....	-	1	1	19	1	1	3	-	-	-	32
MIDDLE ATLANTIC.....	3	62	92	1,640	14	21	35	-	-	-	18
New York City.....	1	10	13	740	2	4	11	-	-	-	11
New York, Up-State.	-	16	29	282	5	6	5	-	-	-	6
New Jersey.....	-	19	29	241	6	10	10	-	-	-	-
Pennsylvania.....	2	17	21	377	1	1	9	-	-	-	1
EAST NORTH CENTRAL...	-	153	252	4,101	5	8	24	-	-	-	118
Ohio.....	-	12	19	212	3	5	10	-	-	-	8
Indiana.....	-	21	41	221	-	-	3	-	-	-	5
Illinois.....	-	12	18	978	1	1	3	-	-	-	11
Michigan.....	-	54	72	488	-	1	6	-	-	-	42
Wisconsin.....	-	54	102	2,202	1	1	2	-	-	-	52
WEST NORTH CENTRAL...	1	75	89	231	6	7	9	-	-	-	16
Minnesota.....	-	4	4	66	1	1	3	-	-	-	4
Iowa.....	-	11	14	68	2	2	1	-	-	-	6
Missouri.....	1	2	2	16	2	2	1	-	-	-	1
North Dakota.....	-	28	37	76	-	-	-	-	-	-	5
South Dakota.....	-	-	-	1	-	-	1	-	-	-	-
Nebraska.....	-	30	32	4	1	2	1	-	-	-	-
Kansas.....	-	NN	NN	NN	-	-	2	-	-	-	-
SOUTH ATLANTIC.....	4	141	247	965	8	24	26	-	-	-	29
Delaware.....	-	-	-	17	-	-	-	-	-	-	-
Maryland.....	1	1	1	125	1	1	4	-	-	-	3
Dist. of Columbia..	-	4	4	32	-	-	-	-	-	-	-
Virginia.....	-	23	46	20	1	2	-	-	-	-	1
West Virginia.....	-	16	44	559	-	3	-	-	-	-	15
North Carolina.....	-	27	43	13	2	6	4	-	-	-	-
South Carolina.....	3	-	1	72	1	1	7	-	-	-	-
Georgia.....	-	-	-	20	-	4	4	-	-	-	-
Florida.....	-	70	108	107	3	7	7	-	-	-	10
EAST SOUTH CENTRAL...	1	113	273	1,007	4	6	1	-	-	-	14
Kentucky.....	-	8	33	282	-	1	-	-	-	-	5
Tennessee.....	-	73	121	687	3	4	1	-	-	-	9
Alabama.....	1	4	34	9	1	1	-	-	-	-	-
Mississippi.....	-	28	85	29	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	2	380	650	492	12	19	10	-	-	-	27
Arkansas.....	-	61	66	18	-	-	1	-	-	-	1
Louisiana.....	1	9	9	10	6	8	2	-	-	-	-
Oklahoma.....	1	12	16	1	-	-	-	-	-	-	-
Texas.....	-	298	559	463	6	11	7	-	-	-	26
MOUNTAIN.....	-	121	234	408	1	2	8	-	-	-	53
Montana.....	-	11	56	79	-	-	-	-	-	-	1
Idaho.....	-	16	22	107	-	-	-	-	-	-	37
Wyoming.....	-	-	-	7	-	-	-	-	-	-	-
Colorado.....	-	15	33	27	-	-	8	-	-	-	1
New Mexico.....	-	22	29	2	1	2	-	-	-	-	-
Arizona.....	-	21	43	175	-	-	-	-	-	-	14
Utah.....	-	-	4	7	-	-	-	-	-	-	-
Nevada.....	-	36	47	4	-	-	-	-	-	-	-
PACIFIC.....	5	284	556	462	22	27	33	-	-	-	149
Washington.....	-	110	269	132	1	1	1	-	-	-	46
Oregon.....	-	88	140	65	2	3	2	-	-	-	39
California.....	5	69	112	258	19	23	21	-	-	-	56
Alaska.....	-	13	31	-	-	-	7	-	-	-	5
Hawaii.....	-	4	4	7	-	-	2	-	-	-	3
Puerto Rico.....	-	7	50	108	-	-	-	-	-	-	2

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 14, 1967 AND JANUARY 15, 1966 (2nd WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	10,211	2	3	3	5	2	4	-	3	66	134
NEW ENGLAND.....	1,470	-	-	-	-	-	-	-	-	-	-
Maine.....	87	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	8	-	-	-	-	-	-	-	-	-	-
Vermont.....	42	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	264	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	138	-	-	-	-	-	-	-	-	-	-
Connecticut.....	931	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	310	-	-	-	-	-	-	-	-	1	4
New York City.....	26	-	-	-	-	-	-	-	-	-	-
New York, Up-State.	230	-	-	-	-	-	-	-	-	1	3
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	54	-	-	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	1,485	-	-	-	-	-	-	-	-	1	4
Ohio.....	171	-	-	-	-	-	-	-	-	-	1
Indiana.....	151	-	-	-	-	-	-	-	-	1	1
Illinois.....	370	-	-	-	-	-	-	-	-	-	2
Michigan.....	624	-	-	-	-	-	-	-	-	-	-
Wisconsin.....	169	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	512	-	-	1	2	-	-	-	-	21	45
Minnesota.....	8	-	-	-	-	-	-	-	-	5	6
Iowa.....	185	-	-	-	-	-	-	-	-	2	5
Missouri.....	19	-	-	1	1	-	-	-	-	6	11
North Dakota.....	170	-	-	-	-	-	-	-	-	4	10
South Dakota.....	32	-	-	-	-	-	-	-	-	2	6
Nebraska.....	4	-	-	-	-	-	-	-	-	-	1
Kansas.....	94	-	-	-	1	-	-	-	-	2	6
SOUTH ATLANTIC.....	1,122	-	-	1	2	-	-	-	3	12	21
Delaware.....	34	-	-	-	-	-	-	-	-	-	-
Maryland.....	181	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	458	-	-	-	-	-	-	-	-	8	12
West Virginia.....	166	-	-	-	-	-	-	-	-	1	3
North Carolina.....	17	-	-	-	-	-	-	-	2	-	-
South Carolina.....	5	-	-	1	2	-	-	-	-	-	-
Georgia.....	8	-	-	-	-	-	-	-	1	3	6
Florida.....	253	-	-	-	-	-	-	-	-	-	-
EAST SOUTH CENTRAL...	1,257	2	3	1	1	2	2	-	-	19	36
Kentucky.....	235	-	-	-	-	-	-	-	-	4	9
Tennessee.....	936	2	3	1	1	-	-	-	-	15	27
Alabama.....	23	-	-	-	-	2	2	-	-	-	-
Mississippi.....	63	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,027	-	-	-	-	-	-	-	-	5	15
Arkansas.....	21	-	-	-	-	-	-	-	-	4	4
Louisiana.....	3	-	-	-	-	-	-	-	-	1	1
Oklahoma.....	47	-	-	-	-	-	-	-	-	-	5
Texas.....	956	-	-	-	-	-	-	-	-	-	5
MOUNTAIN.....	1,194	-	-	-	-	-	2	-	-	1	3
Montana.....	59	-	-	-	-	-	1	-	-	-	-
Idaho.....	206	-	-	-	-	-	-	-	-	-	-
Wyoming.....	42	-	-	-	-	-	-	-	-	-	-
Colorado.....	517	-	-	-	-	-	-	-	-	-	-
New Mexico.....	212	-	-	-	-	-	-	-	-	-	-
Arizona.....	153	-	-	-	-	-	1	-	-	1	3
Utah.....	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	5	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,834	-	-	-	-	-	-	-	-	6	6
Washington.....	515	-	-	-	-	-	-	-	-	-	-
Oregon.....	67	-	-	-	-	-	-	-	-	-	-
California.....	1,118	-	-	-	-	-	-	-	-	6	6
Alaska.....	102	-	-	-	-	-	-	-	-	-	-
Hawaii.....	32	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	-	-	-

Week No. 2

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 14, 1967

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	787	458	47	30
Boston, Mass.	258	140	21	8
Bridgeport, Conn.	43	26	5	1
Cambridge, Mass.	35	25	-	2
Fall River, Mass.	37	23	1	1
Hartford, Conn.	45	21	1	3
Lowell, Mass.	18	10	3	1
Lynn, Mass.	18	15	2	-
New Bedford, Mass.	33	24	2	-
New Haven, Conn.	60	32	4	2
Providence, R. I.	69	41	-	6
Somerville, Mass.	14	10	-	-
Springfield, Mass.	60	34	4	1
Waterbury, Conn.	40	25	1	3
Worcester, Mass.	57	32	3	2
MIDDLE ATLANTIC:	3,594	2,146	154	143
Albany, N. Y.	49	28	2	2
Allentown, Pa.	38	22	1	2
Buffalo, N. Y.	158	98	-	7
Camden, N. J.	48	23	3	1
Elizabeth, N. J.	24	13	3	-
Erie, Pa.	40	25	3	2
Jersey City, N. J.	88	55	4	4
Newark, N. J.	112	55	8	12
New York City, N. Y.	1,833	1,082	85	78
Paterson, N. J.	38	23	3	1
Philadelphia, Pa.	560	339	20	12
Pittsburgh, Pa.	181	98	4	7
Reading, Pa.	67	47	1	3
Rochester, N. Y.	116	79	9	8
Schenectady, N. Y.	32	24	1	-
Scranton, Pa.	44	31	1	-
Syracuse, N. Y.	48	28	-	3
Trenton, N. J.	48	29	-	-
Utica, N. Y.	32	22	2	1
Yonkers, N. Y.	38	25	4	-
EAST NORTH CENTRAL:	2,810	1,584	91	165
Akron, Ohio	70	44	-	2
Canton, Ohio	22	15	-	1
Chicago, Ill.	820	432	43	53
Cincinnati, Ohio	186	107	1	9
Cleveland, Ohio	253	140	3	13
Columbus, Ohio	128	62	-	13
Dayton, Ohio	78	46	2	4
Detroit, Mich.	382	216	9	24
Evansville, Ind.	53	35	1	2
Flint, Mich.	43	24	3	4
Fort Wayne, Ind.	51	32	3	3
Gary, Ind.	61	32	3	4
Grand Rapids, Mich.	45	35	8	2
Indianapolis, Ind.	144	80	6	7
Madison, Wis.	23	13	-	2
Milwaukee, Wis.	149	95	1	5
Peoria, Ill.	41	22	-	2
Rockford, Ill.	35	18	3	2
South Bend, Ind.	43	20	2	2
Toledo, Ohio	113	71	1	8
Youngstown, Ohio	70	45	2	3
WEST NORTH CENTRAL:	1,033	645	39	45
Des Moines, Iowa	104	62	4	7
Duluth, Minn.	23	17	-	-
Kansas City, Kans.	48	25	5	7
Kansas City, Mo.	161	102	4	1
Lincoln, Nebr.	24	21	-	-
Minneapolis, Minn.	149	99	5	3
Omaha, Nebr.	91	59	2	5
St. Louis, Mo.	286	164	13	15
St. Paul, Minn.	86	63	2	4
Wichita, Kans.	61	33	4	3

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
SOUTH ATLANTIC:	1,356	672	64	97
Atlanta, Ga.	174	76	3	13
Baltimore, Md.	283	140	12	18
Charlotte, N. C.	55	21	1	3
Jacksonville, Fla.	101	41	9	11
Miami, Fla.	112	64	3	7
Norfolk, Va.	54	29	5	2
Richmond, Va.	82	34	4	9
Savannah, Ga.	53	23	2	2
St. Petersburg, Fla.	98	80	8	-
Tampa, Fla.	74	49	4	2
Washington, D. C.	217	89	10	26
Wilmington, Del.	53	26	3	4
EAST SOUTH CENTRAL:	782	421	45	52
Birmingham, Ala.	119	55	2	7
Chattanooga, Tenn.	53	34	5	2
Knoxville, Tenn.	48	26	-	2
Louisville, Ky.	184	111	16	7
Memphis, Tenn.	166	95	6	16
Mobile, Ala.	49	18	1	5
Montgomery, Ala.	53	26	6	6
Nashville, Tenn.	110	56	9	7
WEST SOUTH CENTRAL:	1,289	637	54	116
Austin, Tex.	59	37	1	7
Baton Rouge, La.	35	16	-	3
Corpus Christi, Tex.	27	13	-	3
Dallas, Tex.	173	74	3	13
El Paso, Tex.	49	21	6	8
Fort Worth, Tex.	100	57	5	8
Houston, Tex.	173	81	5	19
Little Rock, Ark.	60	31	2	8
New Orleans, La.	232	107	10	23
Oklahoma City, Okla.	84	45	3	5
San Antonio, Tex.	132	69	4	9
Shreveport, La.	72	35	7	6
Tulsa, Okla.	93	51	8	4
MOUNTAIN:	513	296	21	25
Albuquerque, N. Mex.	48	21	3	6
Colorado Springs, Colo.	23	13	1	2
Denver, Colo.	147	91	4	9
Ogden, Utah	19	9	1	-
Phoenix, Ariz.	113	59	8	6
Pueblo, Colo.	36	26	1	1
Salt Lake City, Utah	48	27	1	-
Tucson, Ariz.	79	50	2	1
PACIFIC:	1,867	1,156	59	79
Berkeley, Calif.	24	17	-	-
Fresno, Calif.	39	26	1	-
Glendale, Calif.	40	29	-	1
Honolulu, Hawaii	48	22	-	3
Long Beach, Calif.	101	53	5	5
Los Angeles, Calif.	730	471	27	39
Oakland, Calif.	60	28	-	3
Pasadena, Calif.	50	39	3	2
Portland, Oreg.	118	67	1	2
Sacramento, Calif.	74	40	3	3
San Diego, Calif.	102	59	1	5
San Francisco, Calif.	202	130	2	5
San Jose, Calif.	36	23	2	-
Seattle, Wash.	146	86	9	8
Spokane, Wash.	47	32	2	2
Tacoma, Wash.	50	34	3	1
Total	14,031	8,015	574	752

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	27,480
All Causes, Age 65 and over	15,677
Pneumonia and Influenza, All Ages	1,168
All Causes, Under 1 Year of Age	1,445

*Estimate - based on average percent of divisional total.

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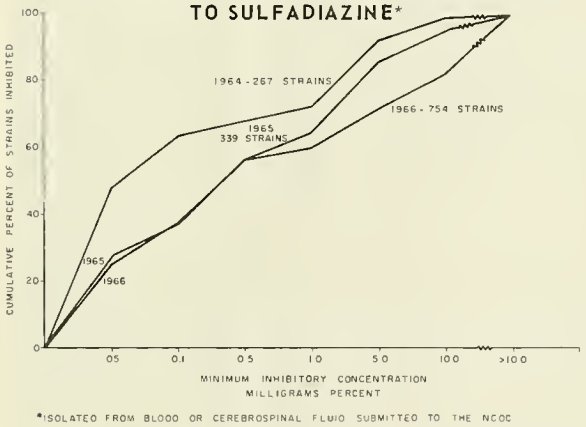
MENINGOCOCCAL INFECTIONS – 1966

(Continued from page 11)

The sulfadiazine sensitivity of meningococci submitted to the NCDC from 1964 to 1966 is shown in Figure 4. The pattern of sulfadiazine sensitivity of strains isolated in 1966 was quite similar to that observed in 1965, especially at minimum inhibitory concentrations of 1 milligram percent or less. There was, however, a higher proportion of strains in 1966 that required 5 milligrams percent or more for inhibition. Forty percent of the 1966 strains were resistant to a concentration of 1 milligram percent of sulfadiazine.

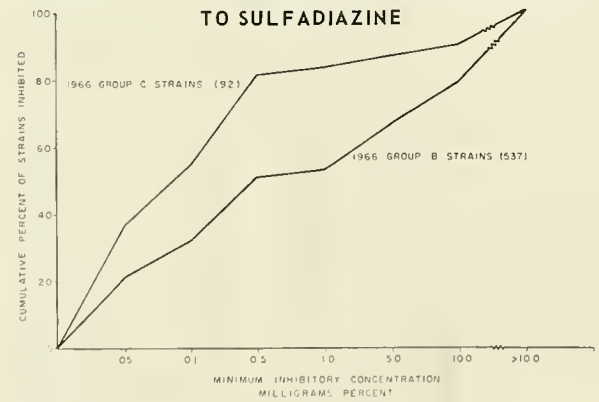
Figure 4
SUSCEPTIBILITY OF MENINGOCOCCI TO SULFADIAZINE*



*ISOLATED FROM BLOOD OR CEREBROSPINAL FLUID SUBMITTED TO THE NCDC

In Figure 5 the sulfonamide sensitivity of groups B and C *Neisseria meningitidis* is compared. In contrast to the generally more resistant group B meningococci, over 80 percent of group C strains were inhibited by 1 milligram percent or less of sulfadiazine. Nevertheless, 10 percent of group C strains were resistant to 10 milligrams percent sulfadiazine.

Figure 5
SUSCEPTIBILITY OF GROUP B AND C MENINGOCOCCI TO SULFADIAZINE



(Reported by the Bacterial Diseases Section, Epidemiology Program; and Dr. Joseph H. Schubert, Bacterial Serology Unit, Bacteriology Section, Laboratory Improvement Program, NCDC.)

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
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NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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